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(54) PERMSELECTIVE MEMBRANE FOR
SEPARATION OF GAS

(57) Abstract:

PURPOSE: To provide a titled permeable membrane having high oxygen transmission and excellent permselectivity by polymerizing a polyamine component contg. a specific ratio of a component having a specific repetitive unit and a specific siloxane base polyisocyanate component.

CONSTITUTION: A film is formed by polymerizing a polyamine component and a polyisocyanate component on a microporous backing membrane. ≥30% said polyamine component has the repetitive unit expressed by the formula I and/ or formula II (X is a residual aliphatic, alicyclic or arom. group having ≥1 primary or secondary amino group, (n) is 1W10 integers). ≥50mol% said component is the siloxane base polyisocyanate having ≥1 siloxane structure expressed by the formula III (R₁, R₂ are the same or dif-

ferent 1W4C alkyl or phenyl groups) in a molecule and ≥2 isocyanate groups.

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